

§ 1.136(a), and any fees required therefor (including fees for net addition of claims) are hereby authorized to be charged to our Deposit Account No. 19-0036.

Amendments

In the Claims:

Please substitute the following claims ⁴⁶⁻⁵³37-44:

1 ⁴⁶₃₇ (Amended) A permanent magnet turbogenerator/motor restarting system, comprising:

means for determining that the permanent magnet turbogenerator/motor has a fatal fault present and is in the process of shutting down;

means for determining that the permanent magnet turbogenerator/motor has more than a fixed number of restart attempts since the permanent magnet turbogenerator/motor was determined to have a fatal fault; and

means for continuing shutdown of the permanent magnet turbogenerator/motor.

2 ⁴⁷₃₈ (Amended) A permanent magnet turbogenerator/motor restarting system, comprising:

means for determining that the permanent magnet turbogenerator/motor has a fatal fault present and is in the process of shutting down;

means for determining that the permanent magnet turbogenerator/motor has less than a fixed number of restart attempts since the permanent magnet turbogenerator/motor was determined to have a fatal fault;

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B1
cont.

B' cont.
means for determining that the permanent magnet turbogenerator/motor is in a recharge state where an internal energy storage device is being recharged as part of the shutdown process;

means for determining that a fixed period of time has elapsed since any previous attempt to restart the permanent magnet turbogenerator/motor;

means for attempting to clear the fault present in the permanent magnet turbogenerator/motor;

means for issuing a restart command to the permanent magnet turbogenerator/motor if the fatal fault is successfully cleared; and

means for continuing normal operation of the permanent magnet turbogenerator/motor.

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39. (Amended) A permanent magnet turbogenerator/motor restarting system, comprising:

means for determining that the permanent magnet turbogenerator/motor has a fatal fault present and is in the process of shutting down;;

means for determining that the permanent magnet turbogenerator/motor has less than a fixed number of restart attempts since the permanent magnet turbogenerator/motor was determined to have a fatal fault;

means for determining that the permanent magnet turbogenerator/motor is in a cooldown state where the turbogenerator/motor is being rotated when combustion has ceased to lower the internal temperature as part of the shutdown process and that the internal temperature is below a cooldown restart temperature;

B1
cont.

means for determining that a fixed period of time has elapsed since any previous attempt to restart the permanent magnet turbogenerator/motor;

means for attempting to clear the fault present in the permanent magnet turbogenerator/motor;

means for issuing a restart command to the permanent magnet turbogenerator/motor if the fatal fault is successfully cleared; and

means for continuing normal operation of the permanent magnet turbogenerator/motor.

4 ~~49~~
40. (Amended) A permanent magnet turbogenerator/motor restarting system, comprising:

means for determining that the permanent magnet turbogenerator/motor has a fatal fault present and is in the process of shutting down;

means for determining that the permanent magnet turbogenerator/motor has less than a fixed number of restart attempts since the permanent magnet turbogenerator/motor was determined to have a fatal fault;

means for determining that the permanent magnet turbogenerator/motor is in a fault state;

means for determining that a fixed period of time has elapsed since any previous attempt to restart the permanent magnet turbogenerator/motor;

means for attempting to clear the fault present in the permanent magnet turbogenerator/motor;

B' cont.
means for issuing a restart command to the permanent magnet turbogenerator/motor
if the fatal fault is successfully cleared; and

means for continuing normal operation of the permanent magnet
turbogenerator/motor.

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41. (Amended) A permanent magnet turbogenerator/motor restarting system,
comprising:

means for determining that the permanent magnet turbogenerator/motor has a fatal
fault present and is in the process of shutting down;

means for determining that the permanent magnet: turbogenerator/motor has less
than a fixed number of restart attempts since the permanent magnet turbogenerator/motor
was determined to have a fatal fault;

means for determining that the permanent magnet turbogenerator/motor is in a
standby state;

means for issuing a restart command to the permanent magnet turbogenerator/motor;
and

means for continuing normal operation of the permanent magnet
turbogenerator/motor.

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42. (Amended) A permanent magnet turbogenerator/motor restarting system,
comprising:

means for determining that the permanent magnet turbogenerator/motor has a fatal
fault present and is in the process of shutting down;

B1
cont.

means for determining that the permanent magnet turbogenerator/motor has less than a fixed number of restart attempts since the permanent magnet turbogenerator/motor was determined to have a fatal fault;

means for determining that the permanent magnet turbogenerator/motor is in a recharge state where an internal energy storage device is being recharged as part of the shutdown process;

means for determining that a fixed period of time has not elapsed since any previous attempt to restart the permanent magnet turbogenerator/motor; and

means for continuing shutdown of the permanent magnet turbogenerator/motor.

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43. (Amended) A permanent magnet turbogenerator/motor restarting system, comprising:

means for determining that the permanent magnet turbogenerator/motor has a fatal fault present and is in the process of shutting down;

means for determining that the permanent magnet turbogenerator/motor has less than a fixed number of restart attempts since the permanent magnet turbogenerator/motor was determined to have a fatal fault;

means for determining that the permanent magnet turbogenerator/motor is in a cooldown state where the turbogenerator/motor is being rotated when combustion has ceased to lower the internal temperature as part of the shutdown process and that the internal temperature is below a cooldown restart temperature;

means for determining that a fixed period of time has elapsed since any previous attempt to restart the permanent magnet turbogenerator/motor;

B' *ma'd.*
means for attempting to clear the fault present in the permanent magnet
turbogenerator/motor; and

means for continuing shutdown of the permanent magnet turbogenerator/motor when
the fault is not cleared.

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44. (Amended) A permanent magnet turbogenerator/motor restarting system,
comprising:

means for determining that the permanent magnet turbogenerator/motor has a fatal
fault present and is in the process of shutting down.

means for determining that the permanent magnet turbogenerator/motor has less than
a fixed number of restart attempts since the permanent magnet turbogenerator/motor was
determined to have a fatal fault;

means for determining that the permanent magnet turbogenerator/motor is in a fault
state;

means for determining that a fixed period of time has elapsed since any previous
attempt to restart the permanent magnet turbogenerator/motor;

means for attempting to clear the fault present in the permanent magnet
turbogenerator/motor; and

means for continuing shutdown of the permanent magnet turbogenerator/motor when
the fault is not cleared.